

INTERNATIONAL SEARCH REPORT

In International Application No
PCT/IB2004/051185

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B20/10 G11B7/125 G11B7/0045

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/126604 A1 (POWELSON JUDITH C ET AL) 12 September 2002 (2002-09-12) abstract paragraph '0058! - paragraph '0062! paragraph '0110! - paragraph '0114! paragraph '0165! - paragraph '0174! figures 2,6,8	1-8, 13-17
P,X	US 2003/133377 A1 (LIN TSUNG-CHIH) 17 July 2003 (2003-07-17) the whole document	1-8, 13-17
A	PATENT ABSTRACTS OF JAPAN vol. 0150, no. 41 (P-1160), 31 January 1991 (1991-01-31) & JP 2 276071 A (NEC CORP), 9 November 1990 (1990-11-09) abstract	9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

4 October 2004

Date of mailing of the international search report

21/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	<p>IMMINK A H J ET AL: "Signal processing and coding for two-dimensional optical storage"</p> <p>GLOBECOM'03. 2003 - IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE. CONFERENCE PROCEEDINGS. SAN FRANCISCO, DEC. 1 - 5, 2003, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, NEW YORK, NY : IEEE, US, vol. VOL. 7 OF 7, 1 December 2003 (2003-12-01), pages 3904-3908, XP002277239</p> <p>ISBN: 0-7803-7974-8</p> <p>the whole document</p> <p>-----</p>	<p>1,9, 13-17</p>

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Information on patent family members

International Application No

PCT/IB2004/051185

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002126604	A1	12-09-2002	WO 03050803 A2 19-06-2003
		AU 2086001 A 14-08-2001	
		WO 0157856 A1 09-08-2001	
US 2003133377	A1	17-07-2003	NONE
JP 2276071	A	09-11-1990	NONE